

IN THE SPECIFICATION

Please amend the specification as follows:

Insert the following paragraph on a new line after the title:

This application is a § 371 application of PCT/EP03/12316, which claims priority from DE 10256107.9, filed November 29, 2002..

First paragraph, following the title:

Specification BACKGROUND

Second paragraph following the title:

Insert the following on a new line before the last full paragraph of page 1:

SUMMARY OF THE INVENTION

Amend the paragraphs beginning with the paragraph bridging pages 1 and 2 to the second full paragraph of page 2::

~~It is claimed for the~~ The invention that ~~this object~~ is attained by means of a method for estimating the combustion chamber pressure of an internal combustion engine by constructing a model of the internal combustion engine with several model parameters in one model including provision of a combustion chamber pressure value and a model alternating torque, determination of actual alternating torque, adjustment of the model alternating torque to the actual alternating torque accompanied by modification of the model parameters, and determination of an estimated value of the combustion chamber pressure in relation to the model on the basis of the modified model parameters.

~~It is also claimed for the~~ The invention includes ~~[[that]]~~ a ~~corresponding~~ device ~~is provided~~ for estimating combustion chamber pressure of an internal combustion engine with a computer system for modeling the internal combustion engine with several model parameters in a model by establishing a combustion chamber pressure value and a model alternating torque, a data acquisition system connected to the computer system for acquiring an actual alternating torque, the computer unit ensuring that the model alternating torque may be adjusted to the actual alternating torque by

modifying the model parameters and that an estimated value of the combustion chamber pressure in relation to the model may be determined on the basis of the modified model parameters.

The ~~model claimed for the~~ invention makes it possible to obtain statements regarding energy conversion in each cylinder. It is an advantage that a characteristic diagram with a plurality of parameters need not be plotted for each cylinder in advance in order to obtain data concerning the combustion process for a current run. The model rather makes it possible to obtain realistic parameters for the cycle and thus to effect pollutant or fuel minimization, for example.

Insert the following on a new line before the fourth paragraph on page 3:

BRIEF DESCRIPTION OF THE DRAWINGS

Insert the following on a new line before the fifth paragraph on page 3:

DETAILED DESCRIPTION OF THE INVENTION